

AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated below.

1. (original): A radial or crossflow media filter comprising a housing containing filter media, a contaminated flow inlet and a discharge outlet, the contaminated flow inlet comprising a manifold situated within the housing, the manifold having a flow outlet which directs flow laterally, away from the discharge outlet, and a discharge chamber situated within the housing upstream of the discharge outlet, the discharge chamber containing a second filter media which is of a larger average particle size than the rest of the filter media in the housing.
2. (original): A filter as claimed in claim 1 in which the flow outlet is directed towards a sidewall of the housing.
3. (currently amended): A filter as claimed in claim 1 ~~or 2~~ in which the manifold is provided with a plurality of flow outlets.
4. (currently amended): A filter as claimed in ~~any one of the preceding claims~~ claim 1 in which the housing comprises a vessel or tank.
5. (currently amended): A filter as claimed in ~~any of the preceding claims~~ claim 1 in which the flow inlet comprises a substantially vertically aligned elongate manifold with a plurality of flow distribution outlets disposed along its length.
6. (currently amended): A filter as claimed in ~~any one of the preceding claims~~ claim 1 in which the discharge chamber surrounds the discharge outlet.
7. (currently amended): A filter as claimed in ~~any one of the preceding claims~~ claim 1 in which the discharge chamber is formed from a filter screen.

8. (original): A filter as claimed in claim 7 in which the filter screen tapers inwardly towards the bottom of the housing.

9. (currently amended): A filter as claimed in ~~any one of the preceding claims in which~~ claim 1 further comprising a fluidising unit ~~is provided~~ in the base of the housing to fluidise the filter media and contaminants.

10. (currently amended): A filter as claimed in ~~any one of the preceding claims in which~~ claim 1 further comprising a fluidising unit ~~is provided~~ in the discharge chamber to fluidise the filter media and contaminants in the discharge chamber.

11. (currently amended): A filter as claimed in ~~any one of the preceding claims~~ claim 1 further comprising a tubular ultrasonic unit.

12. (currently amended): A filter as claimed in ~~any one of the preceding claims~~ claim 1 further comprising a heating unit.

13. (currently amended): A filter as claimed in ~~any one of the preceding claims~~ claim 1 further comprising means for applying AC or DC current and/or magnetic force to the filter media and/or contaminants present in the filter media and/or fluid being filtered.

14. (canceled)

15. (new): A radial or crossflow media filter comprising a housing containing filter media, a contaminated flow inlet and a discharge outlet, the contaminated flow inlet comprising a manifold situated within the housing, the manifold having a flow outlet which directs flow laterally, away from the discharge outlet, and a discharge chamber situated within the housing upstream of the discharge outlet, the discharge chamber being formed from a filter screen and surrounding the discharge outlet, where the discharge chamber contains a second filter media

which is of a larger average particle size than the rest of the filter media in the housing.

16. (new): A filter as claimed in claim 15 in which the flow outlet is directed towards a sidewall of the housing.

17. (new): A filter as claimed in claim 15 further comprising a fluidising unit in the base of the housing to fluidise the filter media and contaminants.

18. (new): A filter as claimed in claim 15 further comprising a fluidising unit in the discharge chamber to fluidise the filter media and contaminants in the discharge chamber.

19. (new): A method for treating contaminated flow comprising:
providing a radial or crossflow media filter comprising a housing containing filter media, a contaminated flow inlet and a discharge outlet, the contaminated flow inlet comprising a manifold situated within the housing, the manifold having a flow outlet which directs flow laterally, away from the discharge outlet, and a discharge chamber situated within the housing upstream of the discharge outlet, the discharge chamber containing a second filter media which is of a larger average particle size than the rest of the filter media in the housing;
introducing contaminated flow into the contaminated flow inlet;
contacting the flow with the filter media and the second filter media; and
discharging cleaner flow through the discharge outlet.

20. (new): The method for treating contaminated flow of claim 19 further comprising fluidising the filter media and contaminants.

21. (new): The method for treating contaminated flow of claim 19 further comprising fluidising the filter media and contaminants in the discharge chamber.